

Recombinant Human ANXA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ANXA2-1086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ANXA2 MS Standard C13 and N15-labeled recombinant protein (NP_001002857) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. This gene has three pseudogenes located on chromosomes 4, 9 and 10, respectively. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. Annexin A2 expression has been found to correlate with resistance to treatment against various cancer forms.
Molecular Mass	38.6 kDa
AA Sequence	MSTVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTIVNI LTNRSNAQRQDIAFAYQRRTKKELASALKSALSGHLETVILGLLKTPAQYDASELKAS MKGLGTDEDSLIEIICSRTNQELQEINRVYKEMYKTDLEKDIISDTSGDFRKL MVALAK GRR AEDG SVIDYELIDQDARDLYDAGV KRKGTDPK WISIMTERSVP HLQKVFD RYK SYSPYDML ESIRKEVKGDLENAFLNLVQC IQNKPLYFADRLYDSMKGK GTRDKVLIRI

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MASRSEVDMLKIRSEFKRKYGKSLYYYIQQDTKGDYQKALLYLCGGDDTRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ANXA2 annexin A2 \[Homo sapiens \(human\) \]](#)

Official Symbol [ANXA2](#)

Synonyms ANXA2; annexin A2; ANX2, ANX2L4, CAL1H, LPC2D; annexin II; LIP2; annexin-2; protein I; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; P36; ANX2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV;

Gene ID [302](#)

mRNA Refseq [NM_001002857](#)

Protein Refseq [NP_001002857](#)

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SDS-PAGE



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